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COCOM DOCUMENT No. 3596

Copy No. 51.67

CO-ORDINATING COMMITTEEEXPORT OF QUARTZ CRYSTALS TO POLANDMEMORANDUM BY THE UNITED KINGDOM DELEGATION

The United Kingdom authorities have been asked to approve the export to Poland of 851 Quartz Crystal Units to the value of \$3,480 which are covered by the definition of Item 1587.

(2) The crystals are required for use in radio-telephone installations for the Fire Brigade and various other civilian services. The consignee is the Central Import and Export Office for Ships and Marine Equipment, Warsaw; and the usual assurances against re-export have been obtained.

(3) Technical details are as follows:-

(1) Radio Crystal in Holder HC-6/U
Frequency Tolerance $\pm 0.005\%$
Working Temperature $- 50^{\circ}\text{C} + 90^{\circ}\text{C}$.
Parallel Resonance
Input Capacity. 32pF

1	Crystal Frequency	1758.333	Kc/s - Qty.	32)	Gdanski Urzad
2	" "	1761.111	" "	32)	Morski emergency
3	" "	1766.666	" "	32)	network crystal
4	" "	1775.000	" "	32)	remitters and receivers.
5	" "	2041.666	" "	3)	Sets designed for
6	" "	2047.222	" "	3)	repairing exist-
7	" "	2052.777	" "	3)	ing emergency/
8	" "	2183.333	" "	3)	storm/ network
9	" "	2188.888	" "	3)	installation.
10	" "	2200.000	" "	3)	
11	" "	2205.555	" "	3)	
12	" "	2286.111	" "	13)	Sets designed
13	" "	2294.444	" "	13)	for tuning in
14	" "	2297.222	" "	13)	existing high
15	" "	2302.777	" "	13)	tension current
16	" "	2319.444	" "	9)	network.
17	" "	2322.222	" "	9)	
18	" "	2325.000	" "	9)	
19	" "	2327.777	" "	9)	
20	" "	2516.666	" "	12)	Sets designed
21	" "	2522.222	" "	12)	for Ministry of
22	" "	2527.777	" "	12)	Communication
23	" "	2536.111	" "	32)	to the end of
					maintaining
					communication
					between the
					stations.
24	" "	11165.000	" "	70)	Indirect
					frequencies.

(ii) Radio Crystal in Holder HG-6/U
Frequency Tolerance $\pm 0.002\%$
Working Temperature $\pm 70^{\circ} + 80^{\circ}\text{C}$.
Parallel Resonance
Input Capacity 32pF

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25	Crystal Frequency	8811.111	Kc/s	Qty.	12)	For tuning in
26	"	8816.666	"	"	12)	the installations
27	"	8822.222	"	"	12)	for the Ministry
28	"	8777.777	"	"	12)	of Health in

connection with frequency alteration and on passing to new channels in wave 156-174 Mc/s

(iii) Radio Crystal in Holder HC-6/U
 Frequency Tolerance \pm 0.005%
 Working Temperature - 50° + 90°C
 Series Resonance.

29	Crystal Frequency	20950.00	Kc/s	Qty.	12)	Gdanski Urzad
30	"	21000.00	"	"	32)	Morski emergency
31	"	21100.00	"	"	32)	network crystal
32	"	21250.00	"	"	32)	remitters and receivers.
33	"	26050.00	"	"	3)	Sets designed
34	"	26150.00	"	"	3)	for repairing
35	"	26250.00	"	"	3)	existing emer-
36	"	28600.00	"	"	3)	gency/storm/
37	"	28700.00	"	"	3)	network
38	"	28900.00	"	"	3)	installation.
39	"	29800.00	"	"	3)	
40	"	30450.00	"	"	13)	Sets designed
41	"	30600.00	"	"	13)	for tuning in
42	"	30650.00	"	"	13)	existing high
43	"	30750.00	"	"	13)	tension current
44	"	31050.00	"	"	9)	network.
45	"	31100.00	"	"	9)	
46	"	31150.00	"	"	9)	
47	"	31200.00	"	"	9)	
48	"	34600.00	"	"	12)	Sets designed
49	"	34700.00	"	"	12)	for the Ministry
50	"	34800.00	"	"	12)	of Communication
51	"	34958.00	"	"	12)	to the end of
						maintaining
						communication
						between the
						stations.
52	"	125.00	"	"	5)	Indirect
53	"	465.00	"	"	5)	frequencies

(iv) Radio Crystal in Holder HC-6/U
 Frequency Tolerance \pm 0.002%
 Working Temperature - 70° + 80°C
 Series Resonance

54	Crystal Frequency	36975.00	"	"	12)	For tuning in the
55	"	37000.00	"	"	12)	installation for
56	"	37025.00	"	"	12)	the Ministry of
57	"	36825.00	"	"	12)	Health in

connection with frequency alteration and on passing to new channels in wave 156-174 Mc/s.

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- (v) Radio Crystal in Holder HC-6/U
 Frequency Tolerance $\pm 0.002\%$ at $+ 75^{\circ}\text{C}$
 Working Temperature $+ 70^{\circ} + 80^{\circ}\text{C}$
 Series Resonance

	Crystal Frequency	Kc/s	Qty.	
58	1750.00	"	2)	
59	2211.11	"	2)	
60	2535.11	"	2)	
61	3900.00	"	1)	
62	4500.00	"	1)	
63	4900.00	"	1)	
64	5560.00	"	1)	
65	6000.00	"	1)	
66	20800.00	"	2)	
67	29100.00	"	2)	
68	29750.00	"	1)	
69	29793.30	"	1)	
70	32433.30	"	1)	
71	34950.00	"	2)	
72	35150.00	"	1)	
73	38750.00	"	1)	

For maintaining and repairing existing Civil Service installations.

- (vi) Radio Crystal in Holder HC-6/U
 Frequency Tolerance $\pm 0.002\%$
 Working Temperature $- 20^{\circ}$ to 50°C
 Input Capacity 32 pF
 Parallel Resonance

	Crystal Frequency	Kc/s	Qty	
74	1318.75	"	4)	
75	1656.25	"	4)	
76	1658.33	"	4)	
77	1660.42	"	4)	
78	1902.08	"	4)	
79	6600.00	"	4)	
80	6602.08	"	4)	
81	6604.17	"	4)	
82	9100.00	"	10)	

Sets designed for new type portable radio-telephones for the Fire Brigade.

Indirect Frequencies.

- (vii) Radio Crystal in Holder HC-6/U
 Frequency Tolerance $\pm 0.002\%$
 Working Temperature $- 20^{\circ}$ to 50°C
 Series Resonance

	Crystal Frequency	Kc/s	Qty.	
83	20950.00	"	4)	
84	29050.00	"	4)	
85	29100.00	"	4)	
86	29150.00	"	4)	
87	34950.00	"	4)	
88	36925.00	"	4)	
89	36937.50	"	4)	
90	36950.00	"	4)	

Sets designed for new type portable radio-telephones for the Fire Brigade

- (viii) Radio Crystal in Glass Holder with Socket B7G
 Ambient Frequency Tolerance 90 ± 10^{-6}
 Working Temperature $0 - + 60^{\circ}\text{C}$
 Parallel Resonance
 Input Capacity 50 pF

91 Crystal Frequency 100 Kc/s - Qty. 5)

- (ix) Radio Crystal in Glass Holder with Socket B7G for Thermostate
 Ambient Frequency Tolerance 60 ± 10^{-6}
 Working Temperature $+ 75^{\circ}\text{C} \pm 5^{\circ}\text{C}$

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Parallel Resonance				} As frequency samples for measuring instruments
Input Capacity 50 pF				
92 Crystal Frequency	100	Kc/s - Qty.	2	}
93 " "	500	" "	2	

- (4) The export of this type of equipment has previously been agreed by the Committee on several occasions (See COCOM Documents Nos. 2590, 2868, 3093 and 3330).
- (5) Account has been taken of quantities of quartz crystal units being exported to Poland by member countries, which the United Kingdom authorities consider are normal in relation to domestic requirements of Poland's economy. The United Kingdom authorities wish to authorise this export under the special Polish exceptions procedure and they would be grateful if Member Governments would make known their views as by July 16.

JUL 13 1 43 PM '59

United Kingdom Delegation,

Paris.

July 3, 1959.

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